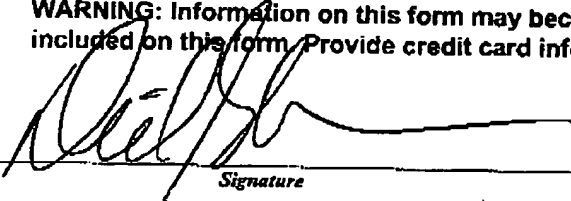
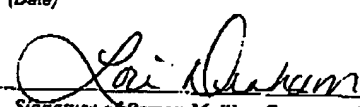
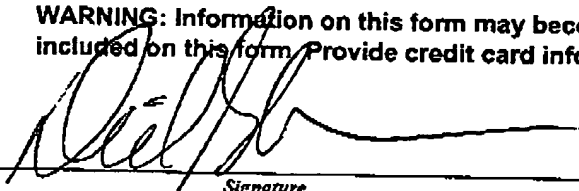
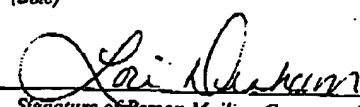


|  |                                     |                               |  |                               |                                 |  |
|--|-------------------------------------|-------------------------------|--|-------------------------------|---------------------------------|--|
| <b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b>   |                                     |                               |  |                               | Docket No.<br><b>6006-009</b>   |  |
| Applicant(s): <b>Bailey, et al.</b>  |                                     |                               |  |                               |                                 |  |
| Application No.<br><b>09/783,633</b>   | Filing Date<br><b>2/14/01</b>       | Examiner<br><b>T. Barrett</b> | Customer No.<br><b>29,335</b>  | Group Art Unit<br><b>3738</b> | Confirmation No.<br><b>2694</b> |  |
| Invention: <b>IN VIVO SENSOR AND METHOD OF MAKING SAME</b>   |                                     |                               |  |                               |                                 |  |
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| <u>COMMISSIONER FOR PATENTS:</u>   |                                     |                               |  |                               |                                 |  |
| Transmitted herewith is an amendment in the above-identified application.  |                                     |                               |  |                               |                                 |  |
| The fee has been calculated and is transmitted as shown below.   |                                     |                               |  |                               |                                 |  |
| <b>CLAIMS AS AMENDED</b>   |                                     |                               |  |                               |                                 |  |
|  | CLAIMS REMAINING<br>AFTER AMENDMENT | HIGHEST #<br>PREV. PAID FOR   | NUMBER EXTRA<br>CLAIMS PRESENT   | RATE                          | ADDITIONAL<br>FEE               |  |
| TOTAL CLAIMS   | 18 -                                | 25 =                          | 0  | x \$18.00                     | \$0.00                          |  |
| INDEP. CLAIMS  | 1 -                                 | 3 =                           | 0  | x \$86.00                     | \$0.00                          |  |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/>   |                                     |                               |  |                               | \$0.00                          |  |
| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>   |                                     |                               |  |                               | <b>\$0.00</b>                   |  |
| <input checked="" type="checkbox"/> No additional fee is required for amendment.<br><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____<br><input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.<br><input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account <b>18-2000</b><br><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.<br><input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.<br><input type="checkbox"/> Payment by credit card. Form PTO-2038. |                                     |                               |  |                               |                                 |  |
| <b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>  |                                     |                               |  |                               |                                 |  |
| <br>Signature   |                                     |                               | Dated: <b>April 25, 2005</b>   |                               |                                 |  |
| <b>David G. Rosenbaum (Reg. No. 31,872)</b><br><b>ROSENBAUM &amp; ASSOCIATES, P.C.</b><br><b>650 Dundee Road</b><br><b>Suite #380</b><br><b>Northbrook, IL 60062</b><br><b>Tel. (847) 770-6000</b><br><b>Fax (847) 770-6006</b><br><b>drosenbaum@biopatentlaw.com</b>  |                                     |                               | <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;"><i>Certificate of Facsimile Transmission</i></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on</p> <p style="text-align: center;">April 25, 2005<br/>(Date)</p> <p style="text-align: center;"><br/>Signature of Person Mailing Correspondence</p> <p style="text-align: center;"><b>Lori Dunham</b><br/>Typed or Printed Name of Person Mailing Correspondence</p> </div> |                               |                                 |  |
| cc:  |                                     |                               |  |                               |                                 |  |

|   |                                     |                             |   |                        |                          |  |
|---|-------------------------------------|-----------------------------|---|------------------------|--------------------------|--|
| <b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b>  |                                     |                             |   |                        | Docket No.<br>6006-009   |  |
| Applicant(s): Bailey, et al.  |                                     |                             |   |                        |                          |  |
| Application No.<br>09/783,633   | Filing Date<br>2/14/01              | Examiner<br>T. Barrett      | Customer No.<br>29,335  | Group Art Unit<br>3738 | Confirmation No.<br>2694 |  |
| Invention: IN VIVO SENSOR AND METHOD OF MAKING SAME   |                                     |                             |   |                        |                          |  |
| <b>COMMISSIONER FOR PATENTS:</b>  |                                     |                             |   |                        |                          |  |
| Transmitted herewith is an amendment in the above-identified application.   |                                     |                             |   |                        |                          |  |
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| <b>CLAIMS AS AMENDED</b>  |                                     |                             |   |                        |                          |  |
|   | CLAIMS REMAINING<br>AFTER AMENDMENT | HIGHEST #<br>PREV. PAID FOR | NUMBER EXTRA<br>CLAIMS PRESENT  | RATE                   | ADDITIONAL<br>FEE        |  |
| TOTAL CLAIMS  | 18 -                                | 25 =                        | 0   | x \$18.00              | \$0.00                   |  |
| INDEP. CLAIMS   | 1 -                                 | 3 =                         | 0   | x \$86.00              | \$0.00                   |  |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/>  |                                     |                             |   |                        | \$0.00                   |  |
| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>  |                                     |                             |   |                        | <b>\$0.00</b>            |  |
| <input checked="" type="checkbox"/> No additional fee is required for amendment.<br><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____<br><input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.<br><input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 18-2000<br><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.<br><input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.<br><input type="checkbox"/> Payment by credit card. Form PTO-2038. |                                     |                             |   |                        |                          |  |
| <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.   |                                     |                             |   |                        |                          |  |
| <br>Signature  |                                     |                             | Dated: April 25, 2005   |                        |                          |  |
| David G. Rosenbaum (Reg. No. 31,872)<br>ROSENBAUM & ASSOCIATES, P.C.<br>650 Dundee Road<br>Suite #380<br>Northbrook, IL 60062<br>Tel. (847) 770-6000<br>Fax (847) 770-6006<br>drosenbaum@biopatentlaw.com   |                                     |                             | <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;"><i>Certificate of Facsimile Transmission</i></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on</p> <p style="text-align: center;">April 25, 2005<br/>(Date)</p> <p style="text-align: center;"><br/>Signature of Person Mailing Correspondence</p> <p style="text-align: center;">Lori Dunham<br/>Typed or Printed Name of Person Mailing Correspondence</p> </div> |                        |                          |  |
| cc:   |                                     |                             |   |                        |                          |  |

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|             |   |                   |            |
|-------------|---|-------------------|------------|
| Applicant:  | S. Bailey, et al.                           | Attorney Docket:  | 6006-009   |
| Serial No.: | 09/783,633                                  | Examiner:         | T. Barrett |
| Filed:      | 2/14/2001                                   | Art Unit:         | 3738       |
| Title:      | In Vivo Sensor and Method<br>of Making Same | Confirmation No.: | 2694       |

## Certificate of Facsimile Transmission

I certify that this document (along with any documents referenced as being included herewith) is being transmitted on April 25, 2005 with to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, ATTN: Examiner T. Barrett, Art Unit 3738 at (703) 872-9306.

  
Lori Dunham

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## AMENDMENT AND RESPONSE AFTER FINAL

Dear Sir:

In response to the Office action of 12/23/2004, please amend the above-identified patent application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page # of this paper.

Remarks/Arguments begin on page 5 of this paper.